BRADLEY LANDFILL AND RECYCLING CENTER
A WASTE MANAGEMENT COMPANY

9081 Tujunga Avenue
Sun Valley, California 91352
(818) 767-6180
(818) 252-3239 Fax
(818) 252-3107 24-Hour Community Hotline

July 02, 2004

Ms. Sumaira Noreen
Los Angeles Regional Water Quality Control Board
320 W. 4th Street, STE 200
Los Angeles, CA 90013

Re: **Annual Report For Stormwater Discharge Associated With Industrial Activities, Bradley Landfill And Recycling Center,**
Facility WDID No. 419S00556.

Dear Ms. Noreen:

Enclosed is the *2003-2004 Annual Report for the Bradley Landfill and Recycling Center.* This report is submitted pursuant to requirements of the State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001 for discharge of stormwater associated with industrial activities.

This report indicates that Bradley Landfill and Recycling Center is in compliance with the General Permit. All samples collected throughout the reporting period were evaluated for constituents required by the General Permit.

Due to grading changes and effective BMPs, at the facility, only 2 points generated discharges. This winter two eligible storm events were sampled and analyzed in accordance with the General Permit parameters and an additional pollutant listed in the General Permit (table D). The samples were collected on January 02,2004 and February 18,2004.

If you have any questions regarding this submittal please do not hesitate to contact me at (818) 252-3202.

Sincerely,

Bruce Matlock

Bruce Matlock
Compliance, Health and Safety Supervisor

Encl.

Cc: Storm water 2003-2004
LARWQCB Correspondence

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
2003-2004 ANNUAL REPORT
FOR STORM WATER DISCHARGES ASSOCIATED
WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2003 through June 30, 2004

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. **Retain a copy of the completed Annual Report for your records.**

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

Los Angeles Region
320 W.4th Street, Ste.200
Los Angeles, CA 90013

Sumaira Noreen
Tel: (213) 620-6363
Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Information:

Waste Mgt ~~Inc Bradley Landfill~~ Recycling + Disposal Services of CA, Inc.
9227 Tujunga Ave
Sun Valley, CA 91352
WDID No: 4 19I005561

Contact Person: Doug Corcoran B Matlock
Email:
Phone: (818) 767-6180

SIC Code(s):
4953 Refuse Systems

B. Facility Operator Information:

~~Waste Mgt Inc~~ Bradley Landfill + Recycling Center
9081 Tujunga Ave
Sun Valley, CA 91352

Contact Person: Doug Corcoran B Matlock
Email:
Phone: (818) 767-6180

C. Facility Billing Information:

Waste Mgt Inc Rec & Disp
9081 Tujunga Ave
Sun Valley, CA 91352

Contact Person: Doug Corcoran B Matlock
Email:
Phone: (818) 767-6180

Additional Table D Parameters: Fe
(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

2003-2004

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

1. For the reporting period, was your facility exempt from collecting and analyzing samples from **two** storm events in accordance with sections B.12 or 15 of the General Permit?

☐ **YES** Go to Item D.2 ☒ **NO** Go to Section E

2. Indicate the reason your facility is exempt from collecting and analyzing samples from **two** storm events. Attach a copy of the first page of the appropriate certification if you check boxes ii, iii, iv, or v.

i. ☐ Participating in an Approved Group Monitoring Plan **Group Name:** _____

_____

ii. ☐ Submitted **No Exposure Certification (NEC)** Date Submitted: _____

Re-evaluation Date: _____

Does facility continue to satisfy NEC conditions? ☐ YES ☐ NO

iii. ☐ Submitted **Sampling Reduction Certification (SRC)** Date Submitted: _____

Re-evaluation Date: _____

Does facility continue to satisfy SRC conditions? ☐ YES ☐ NO

iv. ☐ Received Regional Board Certification Certification Date: _____

v. ☐ Received Local Agency Certification Cetification Date: _____

3. If you checked boxes i or iii above, were you scheduled to sample **one** storm event during the reporting year?

☐ **YES** Go to Section E ☐ **NO** Go to Section F

4. If you checked boxes ii, iv, or v, go to Section F.

E. SAMPLING AND ANALYSIS RESULTS

1. How many storm events did you sample? 2 If less than 2, **attach explanation** (if you checked item D.2.i or iii. above, only attach explanation if you answer "0").

2. Did you collect storm water samples from the first storm of the wet season that produced a discharge during scheduled facility operating hours? (Section B.5 of the General Permit)

☒ **YES** ☐ **NO, attach explanation** **(Please note that if you do not sample the first storm event, you are still required to sample 2 storm events)**

3. How many storm water discharge locations are at your facility? 2

4. For each storm event sampled, did you collect and analyze a sample from each of the facilitys' storm water discharge locations? [X] YES, go to Item E.6 [ ] NO

5. Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? [ ] YES [ ] NO, **attach explanation**

   If "YES", **attach documentation** supporting your determination that two or more drainage areas are substantially identical.

   Date facility's drainage areas were last evaluated _____

6. Were <u>all</u> samples collected during the first hour of discharge? [X] YES [ ] NO, **attach explanation**

7. Was <u>all</u> storm water sampling preceded by three (3) working days without a storm water discharge? [X] YES [ ] NO, **attach explanation**

8. Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond) [ ] YES [X] NO, go to Item E.10

9. Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) [ ] YES [ ] NO, **attach explanation**

10. Section B.5. of the General Permit requires you to analyze storm water samples for pH, Total Suspended Solids (TSS), Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and Grease (O&G), other pollutants likely to be present in storm water discharges in significant quantities, and analytical parameters listed in Table D of the General Permit.

    a. Does Table D contain any additional parameters related to your facility's SIC code(s)? [X] YES [ ] NO, Go to Item E.11

    b. Did you analyze all storm water samples for the applicable parameters listed in Table D? [X] YES [ ] NO

    c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons:

    N/A In prior sampling years, the parameter(s) have not been detected in significant quantities from two consecutive sampling events. **Attach explanation**

    _____ The parameter(s) is not likely to be present in storm water discharges and authorized non-storm water discharges in significant quantities based upon the facility operator's evaluation. **Attach explanation**

    _____ Other. **Attach explanation**

11. For each storm event sampled, attach a copy of the laboratory analytical reports and report the sampling and analysis results using **Form 1** or its equivalent. The following must be provided for each sample collected:

- Date and time of sample collection
- Name and title of sampler.
- Parameters tested.
- Name of analytical testing laboratory.
- Discharge location identification.
- Testing results.
- Test methods used.
- Test detection limits.
- Date of testing.
- Copies of the laboratory analytical results.

F. QUARTERLY VISUAL OBSERVATIONS

1. **Authorized Non-Storm Water Discharges**
Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources.

a. Do authorized non-storm water discharges occur at your facility?

☒ **YES** ☐ **NO** Go to Item F.2

b. Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. **Attach an explanation for any "NO" answers**. Indicate "N/A" for quarters without any authorized non-storm water discharges.

July -September ☒ **YES** ☐ **NO** ☐ **N/A** October-December ☒ **YES** ☐ **NO** ☐ **N/A**

January-March ☒ **YES** ☐ **NO** ☐ **N/A** April-June ☐ **YES** ☐ **NO** ☒ **N/A**

c. Use **Form 2** to report quarterly visual observations of authorized non-storm water discharges or provide the following information.

i. name of each authorized non-storm water discharge
ii. date and time of observation
iii. source and location of each authorized non-storm water discharge
iv. characteristics of the discharge at its source and impacted drainage area/discharge location
v. name, title, and signature of observer
vi. **any** new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date.

2. **Unauthorized Non-Storm Water Discharges**
Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources.

a. Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. **Attach an explanation for any "NO" answers.**

July -September ☒ **YES** ☐ **NO** October-December ☒ **YES** ☐ **NO**

January-March ☒ **YES** ☐ **NO** April-June ☒ **YES** ☐ **NO**

b. Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected?

☐ **YES** ☒ **NO** Go to item F.2.d

c. Have each of the unauthorized non-storm water discharges been eliminated or permitted?

☒ **YES** ☐ **NO** **Attach explanation**

d. Use **Form 3** to report quarterly unauthorized non-storm water discharge visual observations or provide the following information.

i. name of each unauthorized non-storm water discharge.
ii. date and time of observation.
iii. source and location of each unauthorized non-storm water discharge.
iv. characteristics of the discharge at its source and impacted drainage area/discharge location.
v. name, title, and signature of observer.
vi. **any** corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated.

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. **Attach an explanation for any "NO" answers**. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

	YES	NO		YES	NO
October	☐	☒	February	☒	☐
November	☐	☒	March	☒	☐
December	☐	☒	April	☒	☐
January	☒	☐	May	☐	☒

2. Report monthly wet season visual observations using **Form 4** or provide the following information.

   a. date, time, and location of observation
   b. name and title of observer
   c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
   d. **any** new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. **Attach an explanation for any "NO" answers.**

1. Have you inspected all potential pollutant sources and industrial activities areas? ☒ YES ☐ NO
   The following areas should be inspected:

   - areas where spills and leaks have occured during the last year.
   - outdoor wash and rinse areas.
   - process/manufacturing areas.
   - loading, unloading, and transfer areas.
   - waste storage/disposal areas.
   - dust/particulate generating areas.
   - erosion areas.
   - building repair, remodeling, and construction
   - material storage areas
   - vehicle/equipment storage areas
   - truck parking and access areas
   - rooftop equipment areas
   - vehicle fueling/maintenance areas
   - non-storm water discharge generating areas

2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? ☒ YES ☐ NO

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified: ☒ YES ☐ NO

   - facility boundaries
   - outline of all storm water drainage areas
   - areas impacted by run-on
   - storm water discharges locations
   - storm water collection and conveyance system
   - structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

4. Have you reviewed all General Permit compliance records generated since the last annual evaluation? ☒ YES ☐ NO

The following records should be reviewed:

- quarterly authorized non-storm water discharge visual observations
- monthly storm water discharge visual observation
- records of spills/leaks and associated clean-up/response activities
- quarterly unauthorized non-storm water discharge visual observations
- Sampling and Analysis records
- preventative maintenance inspection and maintenance records

5. Have you reviewed the major elements of the SWPPP to assure compliance with the General Permit? ☒ YES ☐ NO

The following SWPPP items should be reviewed:

- pollution prevention team
- list of significant materials
- description of potential pollutant sources
- assessment of potential pollutant sources
- identification and description of the BMPs to be implemented for each potential pollutant source

6. Have you reviewed your SWPPP to assure that a) the BMPs are adequate in reducing or preventing pollutants in storm water discharges and authorized non-storm water discharges, and b) the BMPs are being implemented? ☒ YES ☐ NO

The following BMP categories should be reviewed:

- good housekeeping practices
- spill response
- employee training
- erosion control
- quality assurance
- preventative maintenance
- material handling and storage practices
- waste handling/storage
- structural BMPs

7. Has all material handling equipment and equipment needed to implement the SWPPP been inspected? ☒ YES ☐ NO

I. ACSCE EVALUATION REPORT

The facility operator is required to provide an evaluation report that includes:

- identification of personnel performing the evaluation
- the date(s) of the evaluation
- necessary SWPPP revisions
- schedule for implementing SWPPP revisions
- any incidents of non-compliance and the corrective actions taken.

Use **Form 5** to report the results of your evaluation or develop an equivalent form.

J. ACSCE CERTIFICATION

The facility operator is required to certify compliance with the Industrial Activities Storm Water General Permit. To certify compliance, both the SWPPP and Monitoring Program must be up to date and be fully implemented.

Based upon your ACSCE, do you certify compliance with the Industrial Activities Storm Water General Permit? ☒ YES ☐ NO

If you answered "NO" **attach an explanation** to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

1. Have you attached Forms 1,2,3,4, and 5 or their equivalent?	☒ YES (Mandatory)		
2. If you conducted sampling and analysis, have you attached the laboratory analytical reports?	☒ YES	☐ NO	☐ NA
3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications?	☐ YES	☐ NO	☒ NA
4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J?	☒ YES	☐ NO	☐ NA

ANNUAL REPORT CERTIFICATION

I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed Name: Dean Wise

Signature: [signature] Date: 6-30-04

Title: District Manager

Bradley Landfill and Recycling Center
2003-2004 Annual Storm Water Report Explanations

G.1. During the months of October, November, December and May there was insufficient rain to produce a discharge at any of the stormwater discharge points during normal operating hours.

On November 03, 2003 and December 23, 2003, light and intermittent drizzle during scheduled facility operating hours did not result in a stormwater discharge:
Bruce Matlock, Health and Safety Supervisor performed all observations.

Name: Bruce Matlock

Signature: Bruce Matlock

Title: Compliance Supv.

Date: 6-30-04

2003-2004

ANNUAL REPORT

FORM 1-SAMPLING & ANALYSIS RESULTS

SIDE A

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Bruce Matlock TITLE: Compliance Supv. SIGNATURE: [signature]

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			pH	TSS	SC	O&G	TOC	Iron				
Sample Pt. E San Fernando Rd Gate	1/02/04 ☒ AM 8:20 ☐ PM	☒ AM 8:00 ☐ PM	7.6	4.0	79		9.2 9.4	0.15				
Sample Pt D Gas Recovery Driveway	1/02/04 ☒ AM 8:40 ☐ PM	☒ AM 8:00 ☐ PM	8.3	20	120		9.4 9.9	0.48				
	____ ☐ AM ____ ☐ PM	☐ AM ____ ☐ PM										
	____ ☐ AM ____ ☐ PM	☐ AM ____ ☐ PM										
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/L				
TEST METHOD DETECTION LIMIT:			0.10	2.0	2.0		1.0	0.10				
TEST METHOD USED:			MCAWW 150.1	MCAWW 160.2	MCAWW 120.1		MCAWW 415.1	MCAWW 200.7				
ANALYZED BY (SELF/LAB):			Lab	Lab	Lab		Lab	Lab				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

2003-2004

ANNUAL REPORT

FORM 1-SAMPLING & ANALYSIS RESULTS

SIDE B

SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.
- Make additional copies of this form as necessary.

NAME OF PERSON COLLECTING SAMPLE(S): Bruce Mathock TITLE: Compliance Supv. SIGNATURE: Bruce Mathock

DESCRIBE DISCHARGE LOCATION Example: NW Out Fall	DATE/TIME OF SAMPLE COLLECTION	TIME DISCHARGE STARTED	ANALYTICAL RESULTS For First Storm Event									
			BASIC PARAMETERS					OTHER PARAMETERS				
			pH	TSS	SC	O&G	TOC	Iron				
Sample Pt E San Fernando Rd Gate	2/18/04 1:15 ☐ AM ☒ PM	12:30 ☐ AM ☒ PM	7.5	340	100		12 12	21				
Sample Pt D Gas Recovery Driveway	2/18/04 1:33 ☐ AM ☐ PM	1:00 ☐ AM ☒ PM	7.4	160	160		11 11	4.7				
	☐ AM ☐ PM	☐ AM ☐ PM										
	☐ AM ☐ PM	☐ AM ☐ PM										
TEST REPORTING UNITS:			pH Units	mg/l	umho/cm	mg/l	mg/l	mg/L				
TEST METHOD DETECTION LIMIT:			0.10	5.0 4.0	2.0		1.0	0.10				
TEST METHOD USED:			mcAWW 150.1	mcAWW 160.2	mcAWW 120.1		mcAWW 415.1	mcAWW 200.7				
ANALYZED BY (SELF/LAB):			Lab	Lab	Lab		Lab	Lab				

TSS - Total Suspended Solids SC - Specific Conductance O&G - Oil & Grease TOC - Total Organic Carbon

DESCRIPTION OF BASIC ANALYTICAL PARAMETERS

The Industrial Activities Storm Water General Permit (General Permit) requires you to analyze storm water samples for at least four parameters. These are pH, Total Suspended Solids (TSS), Specific Conductance (SC),and Total Organic Carbon (TOC). Oil and Grease (O&G) may be substituted for TOC. In addition, you must monitor for any other pollutants which you believe to be present in your storm water discharge as a result of industrial activity and analytical parameters listed in Table D of the General Permit. There are no numeric limitations for the parameters you test for.

The four parameters which the General Permit requires to be tested are considered *indicator* parameters. In other words, regardless of what type of facility you operate, these parameters are nonspecific and general enough to usually provide some indication whether pollutants are present in your storm water discharge. The following briefly explains what each of these parameters mean:

pH is a numeric measure of the hydrogen-ion concentration. The neutral, or acceptable, range is within 6.5 to 8.5. At values less than 6.5, the water is considered acidic; above 8.5 it is considered alkaline or basic. An example of an acidic substance is vinegar, and a alkaline or basic substance is liquid antacid. Pure rainfall tends to have a pH of a little less than 7. There may be sources of materials or industrial activities which could increase or decrease the pH of your storm water discharge. If the pH levels of your storm water discharge are high or low, you should conduct a thorough evaluation of all potential pollutant sources at your site.

Total Suspended Solids (TSS) is a measure of the undissolved solids that are present in your storm water discharge. Sources of TSS include sediment from erosion of exposed land, and dirt from impervious (i.e. paved) areas. Sediment by itself can be very toxic to aquatic life because it covers feeding and breeding grounds, and can smother organisms living on the bottom of a water body. Toxic chemicals and other pollutants also adhere to sediment particles. This provides a medium by which toxic or other pollutants end up in our water ways and ultimately in human and aquatic life. TSS levels vary in runoff from undisturbed land. It has been shown that TSS levels increase significantly due to land development.

Specific Conductance (SC) is a numerical expression of the ability of the water to carry an electric current. SC can be used to assess the degree of mineralization, salinity, or estimate the total dissolved solids concentration of a water sample. Because of air pollution, most rain water has a SC a little above zero. A high SC could affect the usability of waters for drinking, irrigation, and other commercial or industrial use.

Total Organic Carbon (TOC) is a measure of the total organic matter present in water. (All organic matter contains carbon) This test is sensitive and able to detect small concentrations of organic matter. Organic matter is naturally occurring in animals, plants, and man. Organic matter may also be man made (so called synthetic organics). Synthetic organics include pesticides, fuels, solvents, and paints. Natural organic matter utilizes the oxygen in a receiving water to biodegrade. Too much organic matter could place a significant oxygen demand on the water, and possibly impact its quality. Synthetic organics either do not biodegrade or biodegrade very slowly. Synthetic organics are a source of toxic chemicals that can have adverse affects at very low concentrations. Some of these chemicals bioaccumulate in aquatic life. If your levels of TOC are high, you should evaluate all sources of natural or synthetic organics you may use at your site.

Oil and Grease (O&G) is a measure of the amount of oil and grease present in your storm water discharge. At very low concentrations, O&G can cause a sheen (that floating "rainbow") on the surface of water (1 qt. of oil can pollute 250,000 gallons of water). O&G can adversely affect aquatic life and create unsightly floating material and film on water, thus making it undrinkable. Sources of O&G include maintenance shops, vehicles, machines and roadways.

If you have any questions regarding whether or not your constituent concentrations are too high, please contact your local Regional Board office. The United States Environmental Protection Agency (USEPA) has published stormwater discharge benchmarks for a number of parameters. These benchmarks may be helpful when evaluating whether additional BMPs are appropriate. These benchmarks can be accessed at our website at http://www.swrcb.ca.gov. It is contained in the Sampling and Analysis Reduction Certification.

See Storm Water Contacts at

http://www.swrcb.ca.gov/stormwtr/contact.html

2003-2004

ANNUAL REPORT

SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.
- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** DATE: 9-30-03	Observers Name: Bruce MatHock Title: Compliance Supv. Signature: Bruce MatHock	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ YES ☐ NO If **YES**, complete reverse side of this form.
QUARTER: **OCT.-DEC.** DATE: 12-23-03	Observers Name: Bruce MatHock Title: Compliance Supv Signature: Bruce MatHock	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ YES ☐ NO If **YES**, complete reverse side of this form.
QUARTER: **JAN.-MARCH** DATE: 3-31-04	Observers Name: Bruce MatHock Title: Compliance Supv. Signature: Bruce MatHock	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☒ YES ☐ NO If **YES**, complete reverse side of this form.
QUARTER: **APRIL-JUNE** DATE: 5-28-04	Observers Name: Bruce MatHock Title: Compliance Supv. Signature: Bruce MatHock	**WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER?** ☐ YES ☒ NO If **YES**, complete reverse side of this form.

2003-2004

ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF AUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

SIDE B

DATE /TIME OF OBSERVATION	SOURCE AND LOCATION OF AUTHORIZED NSWD EXAMPLE: Air conditioner Units on Building C	NAME OF AUTHORIZED NSWD EXAMPLE: Air conditioner condensate	DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc.		DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE
			At the NSWD Source	At the NSWD Drainage Area and Discharge Location	
9-30-03 10:30 ☒ AM ☐ PM	Irrigation (sprinklers) for perimeter oleanders	Tap water Landscape Irrigation	Clear	clear trickle over curb	None needed
12-23-03 2:45 ☐ AM ☒ PM	Irrigation	Landscape Irrigation	clear	Irrigation flows over curb	None
3-31-04 9:50 ☒ AM ☐ PM	Landscape Irrigation	Landscape Irrigation	clear	Irrigation flows over curb	None
5-28-04 3:30 ☐ AM ☒ PM	N/A				
_____ ____ ☐ AM ☐ PM					

2003-2004

ANNUAL REPORT

SIDE A

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

QUARTER: **JULY-SEPT.** **DATE/TIME OF OBSERVATIONS** ☒ AM 9-30-03 10:30 ☐ PM	Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **OCT.-DEC.** **DATE/TIME OF OBSERVATIONS** ☐ AM 12-23-03 2:45 ☒ PM	Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **JAN.-MARCH** **DATE/TIME OF OBSERVATIONS** ☒ AM 3-31-04 9:50 ☐ PM	Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.
QUARTER: **APRIL-JUNE** **DATE/TIME OF OBSERVATIONS** ☐ AM 5-28-04 3:30 ☒ PM	Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	**WERE UNAUTHORIZED NSWDs OBSERVED?** ☐ YES ☒ NO **WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs?** ☐ YES ☒ NO	If **YES** to either question, complete reverse side.

2003-2004

ANNUAL REPORT

SIDE B

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

OBSERVATION DATE (FROM REVERSE SIDE)	NAME OF UNAUTHORIZED NSWD EXAMPLE: Vehicle Wash Water	SOURCE AND LOCATION OF UNAUTHORIZED NSWD EXAMPLE: NW Corner of Parking Lot	DESCRIBE UNAUTHORIZED NSWD CHARACTERISTICS Indicate whether unauthorized NSWD is clear, cloudy, discolored, causing stains; contains floating objects or an oil sheen, has odors, etc.		DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE.
			AT THE UNAUTHORIZED NSWD SOURCE	AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION	
_____ ____ ☐ AM ☐ PM	None				
_____ ____ ☐ AM ☐ PM	None				
_____ ____ ☐ AM ☐ PM	None				
_____ ____ ☐ AM ☐ PM	None				

2003-2004

ANNUAL REPORT

FORM 4-MONTHLY VISUAL OBSERVATIONS OF

SIDE A

STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: October 29 2003 Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	Drainage Location Description	#1 Discharge Pt E	#2 Discharge Pt D	#3	#4
	Observation Time	Non Stormwater ☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	Discharge Month ☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: November 03 2003 Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	Drainage Location Description	#1 Non Stormwater Discharge Month	#2 Non Stormwater Discharge Month	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: December 23 2003 Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	Drainage Location Description	#1 Non Stormwater Discharge Month	#2 Non Stormwater Discharge Month	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: January 02 2004 Observers Name: Bruce Matlock Title: Compliance Supv. Signature: Bruce Matlock	Drainage Location Description	#1 Discharge Point E	#2 Discharge Point D	#3	#4
	Observation Time	8:20 ☐ P.M. ☒ A.M.	8:40 ☐ P.M. ☒ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	8:00 ☐ P.M. ☒ A.M.	8:00 ☐ P.M. ☒ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☒ NO ☐	YES ☒ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

2003-2004

ANNUAL REPORT

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
1-02-04 8:20 ☒ AM ☐ PM	Discharge Point E Last 700' of west perimeter drainage ditch.	Very slight discoloration, brownish. Very low flow	Color caused by airborne particulate that have settled in the ditch. Ditch does not drain waste disposal areas.	Build sandbag sed-basins to allow settlement of particulates 10-01-04
1-02-04 8:40 ☒ AM ☐ PM	Discharge Point D Gas Recovery Driveway	slight discoloration, brownish. Very low flow	Color caused by airborne particulate matter that has settled on concrete driveway	Raise containment for stormwater leaving the plant area - to allow settlement of sediment. Complete 4-04.
2-18-04 3:15 ☐ AM ☒ PM	Discharge Point E	Trace brownish color	Airborne particulats that have settled in asphalt ditch.	Build sandbag sed basins to separate out the silt. Discontinue use of tractor bucket to clean sediment in ditch-Iron
2-18-04 3:33 ☐ AM ☒ PM	Discharge Point D	Trace brownish color	Airborne particulates that have settled on concrete driveway.	Raise containment for stormwater leaving plant
_____ ____ ☐ AM ☐ PM				

2003-2004

ANNUAL REPORT

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

Observation Date: February 18 2004 Observers Name: Bruce Mathock Title: Compliance Supv. Signature: Bruce Mathock	Drainage Location Description	#1 Discharge Point E	#2 Discharge Point D	#3	#4
	Observation Time	1:15 ☒ P.M. ☐ A.M.	1:33 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	12:30 ☒ P.M. ☐ A.M.	1:00 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☒ NO ☐	YES ☒ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: March 01 2004 Observers Name: Bruce Mathock Title: Compliance Supv Signature: Bruce Mathock	Drainage Location Description	#1 Discharge Point E	#2 Discharge Point D	#3	#4
	Observation Time	3:40 ☒ P.M. ☐ A.M.	3:55 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	3:15 ☒ P.M. ☐ A.M.	3:15 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☒	YES ☐ NO ☒	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: April 01 2004 Observers Name: Bruce Mathock Title: Compliance Supv. Signature: Bruce Mathock	Drainage Location Description	#1 Discharge Point E	#2 Discharge Point D	#3	#4
	Observation Time	3:40 ☒ P.M. ☐ A.M.	3:55 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	3:15 ☒ P.M. ☐ A.M.	3:15 ☒ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☒ NO ☐	YES ☐ NO ☒	YES ☐ NO ☐	YES ☐ NO ☐
Observation Date: May 28 2004 Observers Name: Bruce Mathock Title: Compliance Supv. Signature: Bruce Mathock	Drainage Location Description	#1 Non Stormwater Discharge Mouth	#2 Non Stormwater Discharge Mouth	#3	#4
	Observation Time	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Time Discharge Began	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.	☐ P.M. ☐ A.M.
	Were Pollutants Observed (If yes, complete reverse side)	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐	YES ☐ NO ☐

2003-2004

ANNUAL REPORT

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE B

DATE/TIME OF OBSERVATION (From Reverse Side)	DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from material storage Area #2	DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc.	IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area.	DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION
3-01-04 3:40 ☐ AM ☒ PM	Discharge Point E Last 700' of west perimeter asphalt drainage ditch	Clear		
3-01-04 3:55 ☐ AM ☒ PM	Discharge Point D Gas Recovery Driveway	clear		
4-01-04 3:40 ☐ AM ☒ PM	Discharge Point E	Slightly Cloudy brownish discharge	Airborne dust settled in asphalt drainage ditch	Build sandbag sed-basins to slow flow and allow settlement
4-01-04 3:55 ☐ AM ☒ PM	Discharge Point D	clear		
_____ ____ ☐ AM ☐ PM				

2003-2004

ANNUAL REPORT

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

SIDE A

EVALUATION DATE: 6-23-04 INSPECTOR NAME: Bruce Matlock TITLE: Compliance Supv SIGNATURE: Bruce Matlock

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Landfill Operations	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒YES ☐NO	If yes, to either question, complete the next two columns of this form	TSS and Iron exceeded benchmark levels during second sample of the season	Reduce TSS by constructing sandbag dikes across asphalt drainage ditch before 10-01-04 Iron must be coming from loader bucket used for cleaning ditch. Discontinue use of loader 6-30-04
Material Handling and Storage	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
Significant Spills and leaks	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
Non Stormwater Discharges	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		

2003-2004

ANNUAL REPORT

SIDE B

FORM 5 (Continued)-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION
POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

EVALUATION DATE: 6-23-04 INSPECTOR NAME: Bruce Mathock TITLE: Compliance Supv SIGNATURE: Bruce Mathock

POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP)			Describe deficiencies in BMPs or BMP implementation	Describe additional/revised BMPs or corrective actions and their date(s) of implementation
Soil Erosion	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☒NO	If yes, to either question, complete the next two columns of this form		
Gas Recovery Operations	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☒NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☒YES ☐NO	If yes, to either question, complete the next two columns of this form	TSS exceeded benchmark levels during second sample of the season	"speed bump" addition to containment at gas plant where it spills to driveway completed in April '04.
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☐NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☐NO	If yes, to either question, complete the next two columns of this form		
	HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? ☐YES ☐NO ARE ADDITIONAL/REVISED BMPs NECESSARY? ☐YES ☐NO	If yes, to either question, complete the next two columns of this form		

SEVERN TRENT STL

STL Denver
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Arvada, CO 80002

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ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4A030118

Stormwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

January 19, 2004

Table Of Contents

Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

*The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*

27

Case Narrative

Enclosed is the report for two samples received at STL's Denver laboratory on January 3, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

Quality Control Summary for Lot D4A030118

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 2.2°C.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Specific Conductance Method 120.1 was detected in the Method Blank below the project established reporting limit. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. In addition, the samples SAMPLE PT. E and SAMPLE PT. D had levels of Specific Conductance greater than ten times that of the Method Blank value, and therefore, there is no impact on the data.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Iron during Method 200.7 analysis because the sample concentration was greater than four times the spike amount.

- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4A030118

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SAMPLE PT. E 01/02/04 08:20 001				
Iron	150	100	ug/L	MCAWW 200.7
Specific Conductance	79 J	2.0	umhos/cm	MCAWW 120.1
pH	7.6	0.10	No Units	MCAWW 150.1
Total Suspended Solids	4.0	2.0	mg/L	MCAWW 160.2
Total Organic Carbon	9.2	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	9.4	1.0	mg/L	MCAWW 415.1
SAMPLE PT. D 01/02/04 08:40 002				
Iron	480	100	ug/L	MCAWW 200.7
Specific Conductance	120 J	2.0	umhos/cm	MCAWW 120.1
pH	8.3	0.10	No Units	MCAWW 150.1
Total Suspended Solids	20	2.0	mg/L	MCAWW 160.2
Total Organic Carbon	9.4	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	9.9	1.0	mg/L	MCAWW 415.1

PREPARATION METHODS SUMMARY

D4A030118

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
pH		
Acid Digestion for Total Recoverable Metals	MCAWW 150.1	MCAWW 150.1
Non-Filterable Residue (TSS)	MCAWW 200.7	MCAWW 200.7
Specific Conductance	MCAWW 160.2	MCAWW 160.2
Total Organic Carbon	MCAWW 120.1	MCAWW 120.1
	MCAWW 415.1	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

ANALYTICAL METHODS SUMMARY

D4A030118

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Non-Filterable Residue (TSS)	MCAWW 160.2
Specific Conductance	MCAWW 120.1
Total Organic Carbon	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

METHOD / ANALYST SUMMARY

D4A030118

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 150.1	Lowell Coon	016091
MCAWW 160.2	Claire Likar	004382
MCAWW 200.7	Kristen Roda	5692
MCAWW 415.1	Duane Allee	001470

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

D4A030118

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F7JRP	001	SAMPLE PT. E	01/02/04	08:2(
F7JRQ	002	SAMPLE PT. D	01/02/04	08:4(

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

WASTE MANAGEMENT INC.

Client Sample ID: SAMPLE PT. E

TOTAL Metals

Lot-Sample #...: D4A030118-001
Date Sampled...: 01/02/04 08:20 Date Received..: 01/03/04 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4006400						
Iron	150	100	ug/L	MCAWW 200.7	01/07-01/08/04	F7JRP1AG
		Dilution Factor: 1		Analysis Time..: 15:40	MDL.....: 19	

WASTE MANAGEMENT INC.

Client Sample ID: SAMPLE PT. D

TOTAL Metals

Lot-Sample #...: D4A030118-002
Date Sampled...: 01/02/04 08:40 Date Received..: 01/03/04 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4006400						
Iron	480	100	ug/L	MCAWW 200.7	01/07-01/08/04	F7JRQ1AG
		Dilution Factor: 1		Analysis Time..: 15:45	MDL.....: 19	

WASTE MANAGEMENT INC.

Client Sample ID: SAMPLE PT. E

General Chemistry

Lot-Sample #...: D4A030118-001 Work Order #...: F7JRP Matrix.....: WATER
Date Sampled...: 01/02/04 08:20 Date Received..: 01/03/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.6	0.10	No Units	MCAWW 150.1	01/03/04	4003206
		Dilution Factor: 1		Analysis Time..: 17:24	MDL.....:	
Specific Conductance	79 J	2.0	umhos/cm	MCAWW 120.1	01/06/04	4007179
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....:	
Total Organic Carbon	9.2	1.0	mg/L	MCAWW 415.1	01/12/04	4013239
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 0.50	
Total Organic Carbon 2	9.4	1.0	mg/L	MCAWW 415.1	01/12/04	4013239
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 0.50	
Total Suspended Solids	4.0	2.0	mg/L	MCAWW 160.2	01/07/04	4013346
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.87	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

WASTE MANAGEMENT INC.

Client Sample ID: SAMPLE PT. D

General Chemistry

Lot-Sample #...: D4A030118-002 Work Order #...: F7JRQ Matrix.....: WATER
Date Sampled...: 01/02/04 08:40 Date Received..: 01/03/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.3	0.10	No Units	MCAWW 150.1	01/03/04	4003206
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....:	
Specific Conductance	120 J	2.0	umhos/cm	MCAWW 120.1	01/06/04	4007179
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....:	
Total Organic Carbon	9.4	1.0	mg/L	MCAWW 415.1	01/12/04	4013239
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 0.50	
Total Organic Carbon 2	9.9	1.0	mg/L	MCAWW 415.1	01/12/04	4013239
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 0.50	
Total Suspended Solids	20	2.0	mg/L	MCAWW 160.2	01/07/04	4013346
		Dilution Factor: 1		Analysis Time..: 18:30	MDL.....: 0.87	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

D4A030118

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1			
	WATER	MCAWW 150.1		4007179	4007061
	WATER	MCAWW 160.2		4003206	4007208
	WATER	MCAWW 200.7		4013346	4013166
	WATER	MCAWW 415.1		4006400	4006189
				4013239	4013099
002	WATER	MCAWW 120.1			
	WATER	MCAWW 150.1		4007179	4007061
	WATER	MCAWW 160.2		4003206	4007208
	WATER	MCAWW 200.7		4013346	4013166
	WATER	MCAWW 415.1		4006400	4006189
				4013239	4013099

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4A030118

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4A060000-400		Prep Batch #...: 4006400				
Iron	ND	100	ug/L	MCAWW 200.7	01/07-01/08/04	F7L031AA

Dilution Factor: 1

Analysis Time..: 15:10

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4A030118

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4A060000-400		Prep Batch #...: 4006400			
Iron	100	(88 - 110)	MCAWW 200.7	01/07-01/08/04	F7L031AC
		Dilution Factor: 1		Analysis Time..: 15:14	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4A030118

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4A060000-400 **Prep Batch #...:** 4006400							
Iron	1000	999	ug/L	100	MCAWW 200.7	01/07-01/08/04	F7L031AC
		Dilution Factor: 1			Analysis Time..: 15:14		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4A030118
Date Sampled...: 01/02/04 13:45 Date Received..: 01/03/04 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4A030116-001 Prep Batch #...: 4006400							
Iron	NC,MSB	(88 - 110)			MCAWW 200.7		
	NC,MSB	(88 - 110)		(0-20)	MCAWW 200.7	01/07-01/08/04	F7JRM1AG
		Dilution Factor: 1				01/07-01/08/04	F7JRM1AH
		Analysis Time..: 15:27					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4A030118
Date Sampled...: 01/02/04 13:45 **Date Received..:** 01/03/04 **Matrix.....:** WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4A030116-001 **Prep Batch #...:** 4006400									
Iron									
	23000	1000	23300	ug/L			MCAWW 200.7	01/07-01/08/04	F7JRM1AG
				Qualifiers: NC,MSB					
	23000	1000	23200	ug/L			MCAWW 200.7	01/07-01/08/04	F7JRM1AH
				Qualifiers: NC,MSB					
				Dilution Factor: 1					
				Analysis Time..: 15:27					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4A030118

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance		Work Order #: F7L8P1AA		MB Lot-Sample #:	D4A070000-179	
	1.4 B	2.0	umhos/cm	MCAWW 120.1	01/06/04	4007179
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Total Organic Carbon		Work Order #: F7WJM1AA		MB Lot-Sample #:	D4A130000-239	
	ND	1.0	mg/L	MCAWW 415.1	01/12/04	4013239
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Suspended Solids		Work Order #: F7W4A1AA		MB Lot-Sample #:	D4A130000-346	
	ND	2.0	mg/L	MCAWW 160.2	01/07/04	4013346
		Dilution Factor: 1				
		Analysis Time..: 18:30				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4A030118

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: F7NAE1AA	LCS Lot-Sample#: D4A030000-206		
	100	(97 - 102)	MCAWW 150.1	01/03/04	4003206
		Dilution Factor: 1	Analysis Time..: 17:12		
Specific Conductance		Work Order #: F7L8P1AC	LCS Lot-Sample#: D4A070000-179		
	103	(89 - 109)	MCAWW 120.1	01/06/04	4007179
		Dilution Factor: 1	Analysis Time..: 14:00		
Total Organic Carbon		Work Order #: F7WJM1AC	LCS Lot-Sample#: D4A130000-239		
	101	(90 - 110)	MCAWW 415.1	01/12/04	4013239
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Suspended Solids		Work Order #: F7W4A1AC	LCS Lot-Sample#: D4A130000-346		
	101	(86 - 114)	MCAWW 160.2	01/07/04	4013346
		Dilution Factor: 1	Analysis Time..: 18:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4A030118

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			Work Order #: F7NAE1AA		LCS Lot-Sample#: D4A030000-206		
	7.00	7.02	No Units	100	MCAWW 150.1	01/03/04	4003206
			Dilution Factor: 1		Analysis Time..: 17:12		
Specific Conductance			Work Order #: F7L8P1AC		LCS Lot-Sample#: D4A070000-179		
	999	1030	umhos/cm	103	MCAWW 120.1	01/06/04	4007179
			Dilution Factor: 1		Analysis Time..: 14:00		
Total Organic Carbon			Work Order #: F7WJM1AC		LCS Lot-Sample#: D4A130000-239		
	25.0	25.2	mg/L	101	MCAWW 415.1	01/12/04	4013239
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Suspended Solids			Work Order #: F7W4A1AC		LCS Lot-Sample#: D4A130000-346		
	135	137	mg/L	101	MCAWW 160.2	01/07/04	4013346
			Dilution Factor: 1		Analysis Time..: 18:30		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4A030118
Date Sampled...: 12/31/03 10:35 **Date Received..:** 12/31/03 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: F7HCK1CK-MS/F7HCK1CL-MSD				MS Lot-Sample #: D3L310168-001	
	100	(85 - 117)			MCAWW 415.1	01/12/04	4013239
	100	(85 - 117)	0.0	(0-10)	MCAWW 415.1	01/12/04	4013239

Dilution Factor: 1
Analysis Time..: 17:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4A030118
Date Sampled...: 12/31/03 10:35 Date Received..: 12/31/03 Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: F7HCK1CK-MS/F7HCK1CL-MSD				MS Lot-Sample #: D3L310168-001		
	2.9	25.0	28.0	mg/L	100		MCAWW 415.1	01/12/04	4013239
	2.9	25.0	28.0	mg/L	100	0.0	MCAWW 415.1	01/12/04	4013239

Dilution Factor: 1
Analysis Time..: 17:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4A030118 Work Order #...: F7JRQ-SMP F7JRQ-DUP Matrix.....: WATER

Date Sampled...: 01/02/04 08:40 Date Received..: 01/03/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH						SD Lot-Sample #: D4A030118-002		
	8.3	8.3	No Units	0.0	(0-5.0)	MCAWW 150.1	01/03/04	4003206
			Dilution Factor: 1			Analysis Time..: 17:27		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4A030118 Work Order #...: F7FAC-SMP Matrix.....: WATER

F7FAC-DUP

Date Sampled...: 12/29/03 06:48 Date Received..: 12/30/03

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D3L300131-001		
	4400 J	4400	umhos/cm	0.68	(0-7.0)	MCAWW 120.1	01/06/04	4007179
			Dilution Factor: 1			Analysis Time..: 14:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4A030118 Work Order #...: F7JE3-SMP Matrix.....: WATER

F7JE3-DUP

Date Sampled...: 01/02/04 10:30 Date Received..: 01/02/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids						SD Lot-Sample #: D4A020126-008		
	80	67	mg/L	18	(0-20)	MCAWW 160.2	01/07/04	4013347

Dilution Factor: 3.33 Analysis Time..: 18:30

C.C. DT 1/3/04

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Client: Bradley Landfill + Recycling Center
Address: 9081 Tujunga Ave
City: Sun Valley | State: CA | Zip Code: 91352
Project Name and Location (State): Bradley LF
Contract/Purchase Order/Quote No.: 234 251602-B

Project Manager: Bruce Matlock
Telephone Number (Area Code)/Fax Number: (818) 252-3202
Site Contact:
Lab Contact: B. Farnaus
Carrier/Waybill Number: Fed Ex 8414 9417 6505

Date: 1-02-04
Lab Number:
Chain of Custody Number: 298269
Page ____ of ____

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Alk	TSS	COD, TOC	Specific Cond	Oil + Grease	Total Fe	Special Instructions/ Conditions of Receipt
Sample Pt. E	1-02-04	8:20		X					1	1				X	X	X	X	–	X	No Oil + Grease/COD
Sample Pt. D	1-02-04	8:40		X					1	1				X	X	X	X	–	X	No Oil + Grease/COD

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Bruce Matlock	1-02-04	1:30 pm	1. Received By: [signature]	1/3/04	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

27

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

C.C DT 1/3/04

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: Bradley Landfill + Recycling Centers	Project Manager: Bruce Matlock	Date: 1-02-04	Chain of Custody Number: 298269
Address: 9081 Tujunga Ave	Telephone Number (Area Code)/Fax Number: (818) 252-3202	Lab Number:	Page ____ of ____
City: Sun Valley / State: CA / Zip Code: 91352	Site Contact:	Lab Contact: B. Furnaus	
Project Name and Location (State): Bradley, LF	Carrier/Waybill Number: Fed Ex 8414 9417 6505		
Contract/Purchase Order/Quote No.: 234 256602-B			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Oil+	TSS	COD, TOC	Specific Cond.	Diss. Grease	Total Fe	Special Instructions/ Conditions of Receipt
Sample Pt. E	1-02-04	8:20		X				1	1				X	X	X	X	-	X	No Oil + Grease/COD
Sample Pt. D	1-02-04	8:40		X				1	1				X	X	X	X	-	X	No Oil + Grease/COD

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

1. Relinquished By: Bruce Matlock	Date: 1-02-04	Time: 1:30 pm	1. Received By: Tracy Bissell	Date: 1/3/04	Time: 0845
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4B190144

Stormwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 8, 2004

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages

Standard Deliverables

*The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*

27

Case Narrative

Enclosed is the report for two samples received at STL's Denver laboratory on February 19, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4B190144

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 2.8°C.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Specific Conductance Method 120.1 was detected in the Method Blank below the project established reporting limit. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. In addition, the samples SAMPLE PT. E and SAMPLE PT. D had levels of Specific Conductance greater than ten times that of the Method Blank value, and therefore there is no impact on the data.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The Matrix Spike and Matrix Spike Duplicate performed on an unrelated sample exhibited MS and MSD recoveries outside control limits for Total Iron Method 200.7. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.
- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4B190144

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SAMLPE PT. E 02/18/04 13:15 001				
Iron	21000	100	ug/L	MCAWW 200.7
Specific Conductance	100 J	2.0	umhos/cm	MCAWW 120.1
pH	7.5	0.10	No Units	MCAWW 150.1
Total Suspended Solids	340 Q	5.0	mg/L	MCAWW 160.2
Total Organic Carbon	12	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	12	1.0	mg/L	MCAWW 415.1
SAMLPE PT. D 02/18/04 13:33 002				
Iron	4700	100	ug/L	MCAWW 200.7
Specific Conductance	160 J	2.0	umhos/cm	MCAWW 120.1
pH	7.4	0.10	No Units	MCAWW 150.1
Total Suspended Solids	160 Q	4.0	mg/L	MCAWW 160.2
Total Organic Carbon	11	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	11	1.0	mg/L	MCAWW 415.1

PREPARATION METHODS SUMMARY

D4B190144

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
pH		
Acid Digestion for Total Recoverable Metals	MCAWW 150.1	MCAWW 150.1
Non-Filterable Residue (TSS)	MCAWW 200.7	MCAWW 200.7
Specific Conductance	MCAWW 160.2	MCAWW 160.2
Total Organic Carbon	MCAWW 120.1	MCAWW 120.1
	MCAWW 415.1	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

ANALYTICAL METHODS SUMMARY

D4B190144

PARAMETER	ANALYTICAL METHOD
pH (Electrometric)	MCAWW 150.1
Inductively Coupled Plasma (ICP) Metals	MCAWW 200.7
Non-Filterable Residue (TSS)	MCAWW 160.2
Specific Conductance	MCAWW 120.1
Total Organic Carbon	MCAWW 415.1

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

METHOD / ANALYST SUMMARY

D4B190144

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 150.1	Jaclyn Dlhos	009462
MCAWW 160.2	Jean Carrier	008763
MCAWW 200.7	Kristen Roda	5692
MCAWW 415.1	Duane Allee	001470

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SAMPLE SUMMARY

D4B190144

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMI TIME
F9TGQ	001	SAMLPE PT. E	02/18/04	13:1
F9TGW	002	SAMLPE PT. D	02/18/04	13:3

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

WASTE MANAGEMENT INC.

Client Sample ID: SAMLPE PT. E

TOTAL Metals

Lot-Sample #...: D4B190144-001
Date Sampled...: 02/18/04 13:15 Date Received..: 02/19/04 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4055272						
Iron	21000	100	ug/L	MCAWW 200.7	02/25-03/04/04	F9TGQ1AG
		Dilution Factor: 1		Analysis Time..: 19:54	MDL.....: 19	

WASTE MANAGEMENT INC.

Client Sample ID: SAMLPE PT. D

TOTAL Metals

Lot-Sample #...: D4B190144-002
Date Sampled...: 02/18/04 13:33 Date Received..: 02/19/04 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4055272						
Iron	4700	100	ug/L	MCAWW 200.7	02/25-03/04/04	F9TGW1AG
		Dilution Factor: 1		Analysis Time..: 19:58	MDL.....: 19	

WASTE MANAGEMENT INC.

Client Sample ID: SAMLPE PT. E

General Chemistry

Lot-Sample #...: D4B190144-001 Work Order #...: F9TGQ Matrix.....: WATER
Date Sampled...: 02/18/04 13:15 Date Received..: 02/19/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.5	0.10	No Units	MCAWW 150.1	02/20/04	4051523
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....:	
Specific Conductance	100 J	2.0	umhos/cm	MCAWW 120.1	02/24/04	4058240
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Total Organic Carbon	12	1.0	mg/L	MCAWW 415.1	03/01-03/02/04	4063366
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.50	
Total Organic Carbon 2	12	1.0	mg/L	MCAWW 415.1	03/01-03/02/04	4063366
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.50	
Total Suspended Solids	340 Q	5.0	mg/L	MCAWW 160.2	02/24/04	4055519
		Dilution Factor: 2.5		Analysis Time..: 15:00	MDL.....: 2.2	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

WASTE MANAGEMENT INC.

Client Sample ID: SAMLPE PT. D

General Chemistry

Lot-Sample #...: D4B190144-002 Work Order #...: F9TGW Matrix.....: WATER
Date Sampled...: 02/18/04 13:33 Date Received..: 02/19/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	02/20/04	4051523
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....:	
Specific Conductance	160 J	2.0	umhos/cm	MCAWW 120.1	02/24/04	4058240
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Total Organic Carbon	11	1.0	mg/L	MCAWW 415.1	03/01-03/02/04	4063366
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.50	
Total Organic Carbon 2	11	1.0	mg/L	MCAWW 415.1	03/01-03/02/04	4063366
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.50	
Total Suspended Solids	160 Q	4.0	mg/L	MCAWW 160.2	02/24/04	4055519
		Dilution Factor: 2		Analysis Time..: 15:00	MDL.....: 1.7	

NOTE(S):

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

D4B190144

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 150.1		4051523	4054051
	WATER	MCAWW 160.2		4055519	4056220
	WATER	MCAWW 200.7		4055272	4055122
	WATER	MCAWW 415.1		4063366	4063193
002	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 150.1		4051523	4054051
	WATER	MCAWW 160.2		4055519	4056220
	WATER	MCAWW 200.7		4055272	4055122
	WATER	MCAWW 415.1		4063366	4063193

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B190144

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B240000-272 **Prep Batch #...:** 4055272						
Iron	ND	100	ug/L	MCAWW 200.7	02/25-03/04/04	F935P1AA
	Dilution Factor: 1					
	Analysis Time..: 19:28					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B190144

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B240000-272		**Prep Batch #...:** 4055272			
Iron	104	(88 - 110)	MCAWW 200.7	02/25-03/04/04	F935P1AC
		Dilution Factor: 1	Analysis Time..: 19:32		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B190144

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B240000-272 **Prep Batch #...:** 4055272							
Iron	1000	1040	ug/L	104	MCAWW 200.7	02/25-03/04/04	F935P1AC
		Dilution Factor: 1			Analysis Time..: 19:32		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B190144
Date Sampled...: 02/18/04 10:00 **Date Received..:** 02/18/04 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B190226-001 **Prep Batch #...:** 4055272							
Iron	147 N	(88 - 110)			MCAWW 200.7	02/25-03/04/04	F9T2K1AX
	151 N	(88 - 110)	1.5	(0-20)	MCAWW 200.7	02/25-03/04/04	F9T2K1A0
		Dilution Factor: 1					
		Analysis Time..: 19:45					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B190144
Date Sampled...: 02/18/04 10:00 **Date Received..:** 02/18/04 **Matrix.....:** WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER
MS Lot-Sample #: D4B190226-001 **Prep Batch #...:** 4055272									
Iron									
	1500	1000	3000 N	ug/L	147		MCAWW 200.7	02/25-03/04/04	F9T2K1A
	1500	1000	3040 N	ug/L	151	1.5	MCAWW 200.7	02/25-03/04/04	F9T2K1A
			Dilution Factor: 1						
			Analysis Time..: 19:45						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B190144

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance		Work Order #: F99841AA		MB Lot-Sample #:	D4B270000-240	
	0.82 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Organic Carbon		Work Order #: GAJL51AA		MB Lot-Sample #:	D4C030000-366	
	ND	1.0	mg/L	MCAWW 415.1	03/01-03/02/04	4063366
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Suspended Solids		Work Order #: F96591AA		MB Lot-Sample #:	D4B240000-519	
	ND	2.0	mg/L	MCAWW 160.2	02/24/04	4055519
		Dilution Factor: 1				
		Analysis Time..: 15:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B190144

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH		Work Order #: F916C1AA	LCS Lot-Sample#: D4B200000-523		
	100	(97 - 102)	MCAWW 150.1	02/20/04	4051523
		Dilution Factor: 1	Analysis Time..: 12:00		
Specific Conductance		Work Order #: F99841AC	LCS Lot-Sample#: D4B270000-240		
	105	(89 - 109)	MCAWW 120.1	02/24/04	4058240
		Dilution Factor: 1	Analysis Time..: 16:00		
Total Organic Carbon		Work Order #: GAJL51AC	LCS Lot-Sample#: D4C030000-366		
	100	(90 - 110)	MCAWW 415.1	03/01-03/02/04	4063366
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Suspended Solids		Work Order #: F96591AC	LCS Lot-Sample#: D4B240000-519		
	103	(86 - 114)	MCAWW 160.2	02/24/04	4055519
		Dilution Factor: 1	Analysis Time..: 15:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B190144

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH			Work Order #: F916C1AA LCS Lot-Sample#: D4B200000-523				
	7.00	7.02	No Units	100	MCAWW 150.1	02/20/04	4051523
			Dilution Factor: 1		Analysis Time..: 12:00		
Specific Conductance			Work Order #: F99841AC LCS Lot-Sample#: D4B270000-240				
	1000	1050	umhos/cm	105	MCAWW 120.1	02/24/04	4058240
			Dilution Factor: 1		Analysis Time..: 16:00		
Total Organic Carbon			Work Order #: GAJL51AC LCS Lot-Sample#: D4C030000-366				
	25.0	25.0	mg/L	100	MCAWW 415.1	03/01-03/02/04	4063366
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Suspended Solids			Work Order #: F96591AC LCS Lot-Sample#: D4B240000-519				
	116	120	mg/L	103	MCAWW 160.2	02/24/04	4055519
			Dilution Factor: 1		Analysis Time..: 15:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B190144
Date Sampled...: 02/17/04 11:00 **Date Received..:** 02/18/04 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: F9RJ81A5-MS/F9RJ81A6-MSD				MS Lot-Sample #: D4B180265-001	
	99	(85 - 117)			MCAWW 415.1	03/01-03/02/04	4063364
	98	(85 - 117)	0.30	(0-10)	MCAWW 415.1	03/01-03/02/04	4063364

Dilution Factor: 1
Analysis Time..: 13:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B190144
Date Sampled...: 02/17/04 11:00 **Date Received..:** 02/18/04 **Matrix.....:** WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH
Total Organic Carbon			WO#: F9RJ81A5-MS/F9RJ81A6-MSD				MS Lot-Sample #: D4B180265-001		
	4.5	25.0	29.2	mg/L	99		MCAWW 415.1	03/01-03/02/04	406336
	4.5	25.0	29.1	mg/L	98	0.30	MCAWW 415.1	03/01-03/02/04	406336

Dilution Factor: 1
Analysis Time..: 13:00

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B190144 **Work Order #...:** F9TGQ-SMP F9TGQ-DUP **Matrix.....:** WATER

Date Sampled...: 02/18/04 13:15 **Date Received..:** 02/19/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH
pH						SD Lot-Sample #: D4B190144-001		
	7.5	7.5	No Units	0.13	(0-5.0)	MCAWW 150.1	02/20/04	405152
			Dilution Factor: 1			Analysis Time..: 12:00		

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B190144 **Work Order #...:** F9RV2-SMP F9RV2-DUP **Matrix.....:** WATER

Date Sampled...: 02/18/04 14:05 **Date Received..:** 02/18/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH
Total Suspended Solids						SD Lot-Sample #: D4B180297-010		
	140 Q	150 Q	mg/L	1.0	(0-20)	MCAWW 160.2	02/24/04	405551
		Dilution Factor: 1.25				Analysis Time..: 15:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B190144 **Work Order #...:** F9NPG-SMP F9NPG-DUP **Matrix.....:** WATER

Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH
Specific Conductance						SD Lot-Sample #:	D4B170125-002	
	560 J	580	umhos/cm	2.6	(0-7.0)	MCAWW 120.1	02/24/04	405824
		Dilution Factor: 1				Analysis Time..: 16:00		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Chain of Custody Record

2.8° RB 2/19/04

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: Bradley Landfill	Project Manager: Bruce Mathock	Date: 2/18/04	Chain of Custody Number: 298268
Address: 9081 TUJUNGA AVE.	Telephone Number (Area Code)/Fax Number	Lab Number: DUB190144	Page ____ of ____
City: SUN VALLEY / State: CA / Zip Code: 91352	Site Contact	Lab Contact: B. Fairaus	
Project Name and Location (State): Bradley	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 234 25062-B			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: pH	TSS	COD, TOC	Specific. Cond.	Oil & Grease	Total Fe	Special Instructions/ Conditions of Receipt
Sample Pt. E	2/18/04	13:15		X				1	1				X	X	X	X		X	
Sample Pt. D	2/18/04	13:33		X				1	1				X	X	X	X		X	
Sample Pt B				NO		Sample													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

1. Relinquished By: Bruce Mathock	Date: 2/18/04	Time: 14:30	1. Received By: [signature]	Date: 2/19/04	Time: 0900
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

2.8° RB 2/19/04

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: Bradley Landfill	Project Manager: Bruce Matlock	Date: 2/18/04	Chain of Custody Number: 298268
Address: 9081 TUJUNGA AVE.	Telephone Number (Area Code)/Fax Number	Lab Number: DUB190144	Page ____ of ____
City: SUN VALLEY / State: CA / Zip Code: 91352	Site Contact	Lab Contact: B. Fairaus	
Project Name and Location (State): Bradley	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 234 25062-B			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: pH	TSS	COD, TOC	SO4/Alc. Cond.	Oil & Grease	Total Fe	Special Instructions/ Conditions of Receipt
Sample Pt. E	2/18/04	13:15		X				1	1				X	X	X	X		X	
Sample Pt. D	2/18/04	13:33		X				1	1				X	X	X	X		X	
Sample Pt B				No Sample															

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

1. Relinquished By: Bruce Matlock	Date: 2/18/04	Time: 14:30	1. Received By: Jason Bindell	Date: 2/19/04	Time: 0900
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy